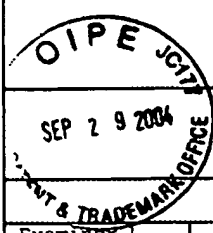
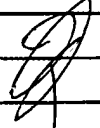
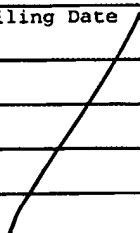
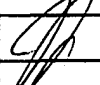
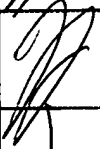
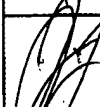
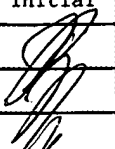
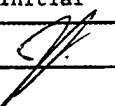

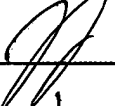
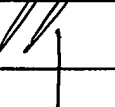

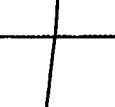



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	AC	5,362,972	11/8/94	Yazawa et al	257	13	
	AD	5,332,910	7/26/94	Haraguchi et al.	257	13	
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	AF	Yasawa, M. et al., "Heteroepitaxial Ultrafine Wire-Like Growth of InAs on GaAs Substrates", <u>Appl. Phys. Lett.</u> , Vol. 58, No. 10, March 11, 1991, pp. 1080-1082.					
	AG	Haraguchi, K. et al., "GaAs p-n junction formed in quantum wire crystals", <u>Applied Physics Letters</u> , Vol. 60, No. 6, February 10, 1992, pp. 745-747					
	AH	Yazawa, M., et al., "Effect of one monolayer of surface gold atoms on the epitaxial growth of InAs nanowhiskers", <u>Applied Physics Letters</u> , Vol. 61, October 26, 1992, pp. 2051-2053.					
	AI	Yazawa, M., "Nanocolumns composed of GaAs-InAs jointed whiskers and SiO ₂ covers", <u>Applied Physics Letters</u> , Vol. 65, August 29, 1994, pp. 1157-1158					
	AJ	Sato, T., "Site-controlled growth of nanowhiskers", <u>Applied Physics Letters</u> , Vol. 66, January 9, 1995, pp. 159-161.					
	AK	Hiruma, K., et al., "Growth and optical properties of nanometer-scale GaAs and InAs whiskers", <u>Applied Physics Review</u> , Vol. 77, January 15, 1995, pp. 447-462.					
	AL	Hiruma K., et al., "Growth and Characterization of Nanometer-Scale GaAs, AlGaAs and GaAs/InAs Wires", <u>IEICE Trans. Electron.</u> , Vol. E77-C, No. 9, September 1, 1994, pp. 1420-1425.					
	AM	Hiruma, K. et al., "GaAs free-standing quantum-size wires", <u>Journal of Applied Physics</u> , Vol. 74, September 1, 1993, pp. 3162-3171.					
	AN	Haraguchi, K., et al., "Polarization dependence of light emitted from GaAs p-n junctions in quantum wire crystals", <u>Journal of Applied Physics</u> , Vol. 75, April 15, 1994, pp. 4220-4225.					
	AO	Hiruma, K., et al., "Self-organized growth of GaAs/InAs heterostructure nanocylinders by organometallic vapor phase epitaxy", <u>Journal of Crystal Growth</u> , Vol. 163, January 1, 1996, pp. 226-231.					
	AP	Lieber, C., "Nanowires as Building Blocks for Nanoscale Science and Technology", <u>Abstracts of Papers of the Amer. Chem Soc.</u> , Vol. 224, August 18, 2002, pp. 033-Comp Part 1.					
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	BB	6,159,742	12/12/00	Lieber et al.	436	164	
	BC	5,997,832	12/7/99	Lieber et al.	423	249	
	BD	5,840,435	11/24/98	Lieber et al.	428	689	
	BE	5,252,835	10/12/93	Lieber et al.	250	492.1	
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	BG	Duan, X., et al., "Laser-Assisted Catalytic Growth of Single-Crystal Compound Semiconductor Nanowires", <u>Abstracts of Papers of the Amer. Chem. Soc.</u> , Vol. 219, March 26, 2000, pp. 676-Inor Part 1.					
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	BL	Duan, X. et al., "General Synthesis of Compound Semiconductor Nanowires", <u>Advanced Materials</u> , Vol. 12, No. 4, January 1, 2000, pp. 298-302.					
	BM	Duan, X., et al., "Synthesis and optical properties of gallium arsenide nanowires", <u>Applied Physics Letters</u> , Vol. 76, No. 9, February 28, 2000, pp. 1116-1118.					
	BN	Cui, Y., et al., "Diameter-controlled synthesis of single-crystal silicon nanowires", <u>Applied Physics Letters</u> , Vol. 78, No. 15, April 9, 2001, pp. 2214-2216.					
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	CB	5,196,396	3/23/93	Lieber	505	1	
	CC	6,716,409	4/6/04	Hafner et al.	423	447	
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*	CE	Gudiksen M.S., et al., "Diameter-selective synthesis of semiconductor nanowires", J. Am. Chem. Soc., Vol. 122, August 22, 2000, pp. 8801-8802.					
	CF	Gudiksen M., et al., "Size-Dependent Photoluminescence from Single Indium Phosphide Nanowires", <u>Journal of Physical Chemistry B</u> , Vol. 106, No. 16, March 30, 2002, pp. 4036-4039.					
*	CG	Duan, X., et al., "Laser-Assisted Catalytic Growth of Single Crystal GaN Nanowires", Journal of Amer. Chem. Soc., Vol. 122, No. 1, December 18, 1999, pp. 188-189.					
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DA		6,743,408	6/1/04	Lieber et al.	423	447.1	
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DE		Lauhon, L., et al., "Epitaxial Core-Shell and Core-Multishell Nanowire Heterostructures", <u>Nature</u> , Vol. 420, No. 6911, November 7, 2002, pp. 57-61.					
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DL		Cui Y., et al., "Nanowire nanosensors for highly sensitive and selective detection of biological and chemical species", <u>Science</u> , Vol. 293, August 17, 2001, pp. 1289-1292.					
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Jerome Jackson 3/05-

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EE		Gudiksen M., et al., "Synthetic Control of the Diameter and Length of Single Crystal Semiconductor Nanowires", <u>The Journal of Physical Chemistry B</u> , Vol. 105, April 18, 2001, pp. 4062-4064.					
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	GI	Ohlsson, B., et al., "Fabrication and characterization of III-V nanowhiskers", <u>MSS10 Conference - Austria</u> , July 23-27, 2001.					
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	ID	Wagner, R.S., et al., "Vapour-Liquid-Solid Mechanism of Single Crystal Growth", <u>Appl. Phys. Lett.</u> , Vol. 4, No. 5, March 1, 1964, pp. 89-90.					
	IE	Canham, L.T., "Silicon Quantum Wire Array Fabrication by Electrochemical and Chemical Dissolution of Wafers", <u>Appl. Phys. Lett.</u> , Vol. 57, September 3, 1990, pp. 1046-1048.					
	IF	Koga, T., et al., "Carrier Pocket Engineering Applied to Strained", <u>Appl. Phys. Lett.</u> , Vol. 75, October 18, 1999, pp. 2438-2440.					
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	KD	Scheibel, H. et al., "Generation of Monodisperse Ag- and NaCl Aerosols With Particle Diameters Between 2 and 300 nm", <u>Journal of Aerosol Science</u> , Vol. 14, No. 2, January 1, 1983, pp. 113-126.					
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	KF	Miller, M. et al., "Serpentine Superlattice: Concept and First Results", <u>Journal of Crystal Growth</u> , Vol. 111, January 1, 1991, pp. 323-327.					
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	LD	Yao, Z., et al., "Carbon Nanotube Intramolecular Junctions", <u>Nature</u> , Vol. 402, November 18, 1999, pp. 273-276.					
	LE	Bennett, C., et al., "Quantum information and computation", <u>Nature</u> , Vol. 404, March 16, 2000, pp. 247-255.					
	LF	Michler, P. et al., "Quantum correlation among photons from a single quantum dot at room temperature", <u>Nature</u> , Vol. 406, No. 6799, August 31, 2000, pp. 968-970.					
	LG	Chow, E., et al., "Three-dimensional control of light in a two-dimensional photonic crystal slab", <u>Nature</u> , Vol. 407, October 26, 2000, pp. 983-986.					
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	MD	Reed, M.A., et al., "Observation of Discrete Electronic States in a Zero-Dimensional Semiconductor Nanostructure", <u>Physical Review Letters</u> , Vol. 60, No. 6, February 8, 1988, pp. 535-537.					
	ME	Kapon, E., et al., "Stimulated Emission in Semiconductor Quantum Wire Heterostructures", <u>Physical Review Letters</u> , Vol. 63, No. 4, July 24, 1989, pp. 430-433.					
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	TK	Hiruma, K. et al., "GaAs and InAs Nanowire Growth Technology", <u>Proceedings of the Science and Technology of Atomically Engineered Materials</u> , October 30, 1995, pp. 563-570					
		TL	Westwater, J. et al., "Control of the size and position of silicon nanowires grown via the vapor-liquid-solid technique", <u>Japanese Journal of Applied Physics</u> , Part 1, October 1997, Vol. 36, pp. 6204-6209				

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J	TA	2003/0200521	10/23/03	DeHon et al.	716	16	
	TB	5,544,617	8/13/96	Terui et al.	117	87	
	TC	5,858,862	1/12/99	Westwater et al.	438	503	
	TD	5,976,957	11/2/99	Westwater et al.	438	478	
	TE	6,130,142	10/10/00	Westwater et al.	438	478	
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	TG	2003/0121764	7/3/03	Yang et al.	200	262	
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TI	2002/0172820	11/21/02	Majumdar et al.	428	357		
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J	TI	02/48701	6/20/02	WIPO			
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	TK	03/053851	7/3/03	WIPO			
	TL	03/063208	7/31/03	WIPO			
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J	TP	O'Regan et al., "A Low-Cost, High-Efficiency Solar Cell Based on Dye-Sensitized Colloidal TiO ₂ Films", <u>Nature</u> , Vol. 353, October 24, 1991, pp. 737-740.					
	TQ	Jun et al., "Architectural Control of Magnetic Semiconductor Nanocrystals", <u>J. Am. Chem. Soc.</u> , Vol. 124, No. 4, January 4, 2002, pp. 615-619.					
	TR	Manna et al., "Synthesis of Soluble and Processable Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals", <u>J. Am. Chem. Soc.</u> , Vol. 122, No. 51, December 1, 2000, pp. 12700-12706.					
	TS	Huang et al., "Directed Assembly of one-dimensional nanostructures into functional networks", <u>Science</u> , Vol. 291, January 26, 2001, pp. 630-633.					
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J. I. Samuelson

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	UA	5,899,734	5/4/99	Lee	438	584	
	UB	2002/0175408	11/28/02	Majumdar et al.	257	734	
	UC	6,559,468	5/6/03	Kuekes et al.	257	14	
	UD	2002/0130311	9/19/02	Lieber et al.	257	1	
	UE	2003/0089899	5/15/03	Lieber et al.	257	9	
	UF	2004/0213307	10/28/04	Lieber et al.	372	39	
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	UN	Persson, "Heterointerfaces in III-V semiconductor nanowhiskers", <u>IEEE</u> , 2002, pp. 281-293.					
	UO	Gao et al., "Self-Assembled Nanowire-Nanoribbon Junction Arrays of ZnO", <u>The Journal of Physical Chemistry</u> , Vol. 106, No. 49, November 12, 2002, pp. 12653-12658.					
	UP	Yan et al., "Dendritic Nanowire Ultraviolet Laser Array", <u>J. Am. Chem. Soc.</u> , Vol. 125, March 29, 2003, pp. 4728-4729.					
	UQ	Jun et al., "Controlled Synthesis of Multi-Armed CdS Nanorod Architectures Using Monosurfactant System", <u>J. Am. Chem. Soc.</u> , Vol. 123, May 5, 2001, pp. 5150-5151.					
	UR	Poole et al., "Spatially Controlled, Nanoparticle-Free Growth of InP Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 10, September 8, 2002, pp. 2055-2057.					
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	VF	Hiruma et al., "Quantum Size Microcrystals Grown Using Organometallic Vapor Phase Epitaxy", <u>Appl. Phys. Lett.</u> , Vol. 59, No. 4, July 22, 1991, pp. 431-433.					
	VG	Xia et al., "One-Dimensional Nanostructures: Synthesis, Characterization, and Applications", <u>Adv. Mater.</u> , Vol. 15, No. 5, March 4, 2003, pp. 353-389.					
	VH	Ozaki et al., "Silicon Nanowhiskers Grown on a Hydrogen-Terminated Silicon (111) Surface", <u>Applied Physics Letters</u> , Vol. 73, No. 25, December 21, 1998, pp. 3700-3702.					
	VI	Wu et al., "Growth, Branching, and Kinking of Molecular-Beam Epitaxial <110> GaAs Nanowires", <u>Applied Physics Letters</u> , Vol. 83, No. 16, October 20, 2003, pp. 3368-3370.					
	VJ	Grätzel, "Photoelectrochemical Cells", <u>Nature</u> , Vol. 414, November 15, 2001, pp. 338-344.					
	VK	Wang et al., "Nanocrystals Branch Out", <u>Nature Materials</u> , Vol. 2, June 2003, pp. 385-386.					
	VL	Manna et al., "Controlled Growth of Tetrapod-Branched Inorganic Nanocrystals", <u>Nature Materials</u> , Vol. 2, June 2003, pp. 382-385.					
	VM	Oda et al., "Natural Formation of Square Scale Structures on Patterned Vicinal Substrates by MOVPE: Application to the Fabrication of Quantum Structures", <u>Inst. Phys. Conf. Ser.</u> , No. 166, Chapter 4, August 22, 1999, pp. 191-194.					
	VN	Hayakawa et al., "AlGaAs Nano-Meter Scale Network Structures Fabricated by Selective Area MOVPE", <u>Inst. Phys. Conf. Ser.</u> , No. 162, Chapter 8, October 12, 1998, pp. 415-419.					
	VO	Akabori et al., "Selective Area MOVPE Growth of Two-Dimensional Photonic Crystals Having an Air-Hole Array and its Application to Air-Bridge-Type Structures", <u>Physica E</u> , No. 13, 2002, pp. 446-450.					
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	WG	Bozovic et al., "Plastic Deformation in Mechanically Strained Single-Walled Carbon Nanotubes", <u>Physical Review B</u> , Vol. 67, January 22, 2003, pp. 033407-1 - 033407-4.					
	WH	Lieber, "Nanoscale Science and Technology: Building a Big Future from Small Things", <u>MRS Bulletin</u> , July 2003, pp. 486-491.					
	WI	Yu et al., "Silicon Nanowires: Preparation, Device Fabrication, and Transport Properties", <u>J. Phys. Chem. B</u> , Vol. 104, No. 50, November 23, 2000, pp. 11864-11870.					
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	WM	Hornstra, "Dislocations in the Diamond Lattice", <u>J. Phys. Chem. Solids</u> , Vol. 5, January 1, 1958, pp. 129-141.					
	WN	Krost et al., "InP on Si(111): Accommodation of Lattice Mismatch and Structural Properties", <u>Appl. Phys. Lett.</u> , Vol. 64, No. 7, February 7, 1994, pp. 769-771.					
	WO	Gorbach et al., "Growth of III-V Semiconductor Layers on Si Patterned Substrates", <u>Thin Solid Films</u> , Vol. 336, 1998, pp. 63-68.					
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	XK	Abramson et al., "Nanowire Composite Thermoelectric Devices", <u>Proceedings of IMECE2002, ASME International Mechanical Engineering Congress & Exposition</u> , November 17-22, 2002, pp. 7-11.					
	XL	Johnson et al., "Single Nanowire Waveguides and Lasers", <u>Proceedings of SPIE</u> , Vol. 5223, 2003, pp. 187-196.					
	XM	Greene et al., "Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays", <u>Angew. Chem. Int. Ed.</u> , Vol. 42, 2003, pp. 3031-3034.					
	XN	Choi et al., "Self-Organized GaN Quantum Wire UV Lasers", <u>J. Phys. Chem. B.</u> , Vol. 107, 2003, pp. 8721-8725.					
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	XQ	Ramvall et al., "Quantized Conductance in a Heterostructurally Defined Ga _{0.5} In _{0.5} As/InP", <u>Appl. Phys. Lett.</u> , Vol. 71, August 18, 1997, pp. 918-920.					
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	YB						
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	YJ	Lieber et al., "Nanowires as Building Blocks for Nanoelectronics and Nanophotonics", <u>Electron Devices Meeting 2003 IEEE International</u> , 2003, pp. 12.3.1-12.3.3.					
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James J. Kelly 3/85